AMENDMENTS TO THE CLAIMS

- 1. (original) An aqueous sizing composition comprising: (a) an emulsion comprising an alkenylsuccinic anhydride component containing alkenylsuccinic anhydride particles suspended in a first starch component containing emulsifying starch selected from the group consisting of non-ionic starches, anionic starches, cationic starches and mixtures thereof, and (b) a second starch component selected from the group consisting of non-ionic starches, cationic starches, anionic starches and mixtures thereof, wherein the alkenylsuccinic anhydride component and the starch in the emulsion and the second starch component are present at a starch:alkenylsuccinic anhydride weight ratio that is sufficiently high to enable the sizing composition to impart useful sizing properties to a fibrous substrate when the sizing composition contacts the fibrous substrate.
- 2. (original) The sizing composition of claim 1, wherein the starch:alkenylsuccinic anhydride weight ratio is at least about 10:1.
- 3. (original) The sizing composition of claim 1, wherein the emulsifying starch in the first starch component in the emulsion has a starch: alkenylsuccinic anhydride weight ratio ranging from about at least 0.2:1 to about 10:1.
- 4. (original) The sizing composition of claim 1, wherein the particles have a median particle size ranging from about 0.5 to about 20 microns.
- 5. (original) The sizing composition of claim 1, wherein the emulsion further comprises a surfactant component in an amount ranging from about 0.1 wt. % to about 20 wt. %, based on the total amount of alkenylsuccinic anhydride.
- 6. (original) The sizing composition of claim 1, wherein the an alkenylsuccinic anhydride component includes hydrolyzed alkenylsuccinic anhydride in an amount ranging from about 1 to about 99%, based on the total weight of the emulsion.
- 7. (original) The sizing composition of claim 1, wherein the sizing composition has a starch:alkenylsuccinic anhydride component weight ratio that is sufficiently high so

that when the sizing composition treats a fibrous substrate, the treated fibrous substrate has a Cobb sizing of less than about 150 gsm for 30 minutes or about 100 gsm for two minutes.

- 8. (original) The sizing composition of claim 1, wherein the starch:alkenylsuccinic anhydride component weight ratio is sufficiently high so that if the sizing composition treats a fibrous substrate, the treated fibrous substrate retards ink penetration, giving an HST value of at least ten seconds.
- 9. (original) The sizing composition of claim 1, wherein the starch:alkenylsuccinic anhydride ratio is sufficiently high to minimize the sizing composition from coalescing at a temperature ranging from about 100 to about 180° F.
- 10. (original) The sizing composition of claim 1, wherein the suspended alkenyl succinic anhydride particles have a monomodal particle distribution.
- 11. (original) The sizing composition of claim 1, wherein the alkenyl succinic anhydride component comprising particles suspended in non-ionic and/or ionic starch have a bimodal or a multimodal particle distribution.

12-15. (canceled)

16. (original) A process for making a sizing composition comprising the sequential steps of: (a) emulsifying alkenylsuccinic anhydride with a first starch component containing starch selected from the group consisting of non-ionic starches, ionic starches, and mixtures thereof, and thereby forming an emulsion, and (b) combining the emulsion with a second starch component selected from the group consisting of non-ionic starches, ionic starches, and mixtures thereof, and thereby forming a sizing composition comprising (1) an emulsion comprising an alkenylsuccinic anhydride component containing alkenylsuccinic anhydride particles suspended in a first starch component containing emulsifying starch selected from the group consisting of non-ionic starches, ionic starches, and mixtures thereof, and (2) a second starch component selected from the group consisting of non-ionic starches, ionic starches, and mixtures thereof, such

that the alkenylsuccinic anhydride and the starch in the emulsion and the second starch component are present at a starch:alkenylsuccinic anhydride weight ratio that is sufficiently high to enable the sizing composition to impart useful sizing properties to a fibrous substrate when the sizing composition contacts the-fibrous substrate.

17-29. (canceled)

30. (original) An aqueous sizing composition made by a process comprising: (a) emulsifying alkenylsuccinic anhydride with a first starch component containing starch selected from the group consisting of non-ionic starches, ionic starches, and mixtures thereof, and thereby forming an emulsion, and (b) combining the emulsion with a second starch component selected from the group consisting of non-ionic starches, ionic starches, and mixtures thereof, and thereby forming the sizing composition, wherein the composition comprises: (1) first component including an emulsion comprising an alkenylsuccinic anhydride component containing alkenylsuccinic anhydride particles suspended in a first starch component containing emulsifying starch selected from the group consisting of non-ionic starches, ionic starches, and mixtures thereof, and (2) a second starch component selected from the group consisting of non-ionic starches, ionic starches and mixtures wherein the alkenylsuccinic anhydride and the starch in the emulsion and the second starch component are present at a starch:alkenylsuccinic anhydride weight ratio that is sufficiently high to enable the sizing composition to impart useful sizing properties to a fibrous substrate when the sizing composition contacts the fibrous substrate.

31-32. (canceled)

33. (original) An aqueous sizing composition comprising: (a) an emulsion comprising an alkyl ketene dimer component containing alkyl ketene dimer particles suspended in a first starch component containing emulsifying starch selected from the group consisting of non-ionic starches, anionic starches, and mixtures thereof, and (b) a second starch component selected from the group consisting of non-ionic starches, cationic starches, anionic starches and mixtures thereof, wherein the alkyl ketene dimer

component and the starch in the emulsion and the second starch component are present at a starch: alkyl ketene dimer weight ratio that is sufficiently high to enable the sizing composition to impart useful sizing properties to a fibrous substrate when the sizing composition contacts the fibrous substrate.